

عنوان مقاله:

Effect of purple coneflower (Echinacea purpura) and garlic (Allium sativum) as a supplemented dietary intake on some (non-specific immunestatus, hematological parameters and growth performance in grower (Huso huso

محل انتشار:

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خلاصه مقاله:

The effects of orally administered purple cone flower Echinacea purpura and garlic (Allium sativum) on the non-specific immunity and growth condition of beluga weighing 1.15 ± 0.02 kg were evaluated for a period of 60 days. The three groups of fish were fed two diets containing 0.5% purple coneflower and 1% garlic and a control diet containing no supplemented herb. The growth performance was positively affected by both dietary herb supplementations ($p < 0.05$). Among the humoral factors, serum alternative complement, lysozyme and respiratory burst activity increased significantly in all supplemented groups when compared to the control ($p < 0.05$). These findings demonstrate that dietary Echinacea and garlic can modulate some of the innate defense mechanisms, hematological and growth parameters in *Huso huso*.

کلمات کلیدی:

Echinacea purpurea; garlic; *Huso huso*; innate immunity

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